

## IN THE CLAIMS

Please enter the following clarifying amendments:

1. (currently amended)      A system which communicates pollution information messages, comprising:

at least one transceiver having a first identification code and coupled to a detector configured to detect pollution, the transceiver configured to generate a pollution information message,

a transceiver network, the transceiver network further comprising:

a plurality of network transceivers, each network transceiver having a unique identification code and configured to communicate the pollution information message with other network transceivers;

at least one transceiver unit configured to communicate the pollution information message with at least one of the network transceivers, the pollution information message comprising information indicative of the pollution detector including ~~at least one of~~ pollution detector type, detected pollution levels, and pollution detector operational status;

at least one site controller coupled to the transceiver unit, the site controller configured to communicate the pollution information message between the transceiver unit and an intermediary communication system such that the pollution information message is communicated with a pollution monitoring management controller coupled to the intermediary communication system; and

the pollution monitoring management controller comprising logic to determine a communication path for at least one of the plurality of network transceivers and the at least one transceiver.

2. (original)    The system of claim 1, wherein the intermediary communication system further comprises a portion of an Internet.

3. (original)    The system of claim 1, wherein the intermediary communication system further comprises a portion of a digital communication system.

4. (original) The system of claim 1, wherein the intermediary communication system further comprises a portion of a public switched telephone network.
5. (original) The system of claim 1, wherein the intermediary communication system further comprises a combination of portions of at least an Internet, a digital communication system and a public switched telephone network.
6. (original) The system of claim 1, wherein the intermediary communication system further comprises a combination of portions of at least an Internet and a public switched telephone network.
7. (original) The system of claim 1, wherein the intermediary communication system further comprises a combination of portions of at least an Internet and a digital communication system.
8. (original) The system of claim 1, wherein the intermediary communication system further comprises a combination of portions of at least a digital communication system and a public switched telephone network.
9. (original) The system of claim 1, wherein the transceiver is coupled to a pollution detecting device and is configured to generate the pollution information message in response to a signal received from the pollution detecting device.
10. (original) The system of claim 1, further comprising a memory residing in each one of the network transceivers and the transceiver such that a communication transmission path is defined by at least one of the unique identification codes of the network transceivers and the first identification code of the transceiver, the communication transmission path being used to identify a location of the transceiver.
11. (original) The system of claim 1, further comprising a memory residing in the transceiver such that the first identification code resides in the memory and such that the first identification code is included as a portion of the pollution information message, whereby the first

identification code is used to identify the nature of the pollution.

12. (original) The system of claim 1, further comprising a second transceiver having a second identification code and coupled to an electric distribution system, the second transceiver configured to communicate pollution information with the detector using a power line carrier (PLC) signal communicated over the electric distribution system, and further configured to communicate the pollution information message with at least one of the network transceivers.

13. (currently amended) A system which communicates a pollution information message comprising:

**a pollution detector, the pollution detector configured to generate a pollution information message if a pollution level exceeding a predetermined threshold is detected;**

a transceiver having a unique identification code to generate a pollution information message and a second transceiver associated with ~~[[a]]~~ **the** pollution detector to transmit the pollution information message, the pollution information message comprising information indicative of the pollution detector including pollution detector type, detected pollution levels, and pollution detector operational status;

an interface configured to receive the pollution information message communicated through an intermediary communication system coupled to the interface, and the pollution information message having at least the unique identification code of the transceiver;

a memory having data, the data including at least an identification code corresponding to the transceiver's unique identification code;

a processor coupled to the interface and the memory, and configured to associate the received pollution information message and the data by associating the unique identification code of the transceiver with the identification code of the data, the processor determining a communication path for the pollution information message.

14. (original) The system of claim 13, further comprising a connection coupled to the processor and configured to communicate information corresponding to the pollution information message and the associated data such that information associated with a pollution event is communicated.

15. (original) The system of claim 14, wherein the associated data further includes information of interest that indicates the nature of a detected pollution event.

16. (original) The system of claim 15, wherein the information of interest further includes location information of the transceiver.

17. (original) The system of claim 13, wherein the intermediary communication system further comprises a portion of an Internet.

18. (original) The system of claim 13, wherein the intermediary communication system further comprises a portion of a digital communication system.

19. (original) The system of claim 13, wherein the intermediary communication system further comprises a portion of a public switched telephone network.

20. (original) The system of claim 13, wherein the intermediary communication system further comprises a combination of portions of at least an Internet, a digital communication system and a public switched telephone network.

21. (original) The system of claim 13, wherein the intermediary communication system further comprises a combination of portions of at least an Internet and a public switched telephone network.

22. (original) The system of claim 13, wherein the intermediary communication system further comprises a combination of portions of at least an Internet and a digital communication system.

23. (original) The system of claim 13, wherein the intermediary communication system further comprises a combination of portions of at least a digital communication system and a public switched telephone network.

24. (previously presented) A system which generates pollution information messages, comprising:

a transceiver configured to receive a signal from a detector configured to detect pollution, the transceiver configured to transmit a pollution information message that is communicated through a transceiver network, wherein the pollution information message comprising information indicative of the pollution detector including pollution detector type, detected pollution levels, and pollution detector operational status;

an identification code uniquely associated with the transceiver such that a location of the detector is determined by associating the identification code with information residing in a database that includes at least the location of the transceiver; and

a controller configured to determine a communication path for the pollution information message through the transceiver network.

25. (previously presented) A method for communicating pollution information messages, the method comprising:

generating a pollution information message with a transceiver, the pollution information message having at least an identification code uniquely assigned to the transceiver, pollution detector type, detected pollution levels, and pollution detector operational status;

communicating the pollution information message from the transceiver to a second transceiver coupled to a pollution detector;

communicating the pollution information from the second transceiver to the network transceiver such that the pollution information message is communicated over an intermediary communication system to a pollution monitoring management controller; and

defining a communication path to transmit the pollution information message from the transceiver to the second transceiver.

26. (previously presented) The method of claim 25, further comprising communicating the pollution information message onto the intermediary communication system.

27. (previously presented) The method of claim 26, wherein communicating the pollution information message onto the intermediary communication system further comprises converting

the pollution information message into a suitable Internet signal, and wherein the intermediary communication system is a portion of an Internet.

28. (previously presented) The method of claim 26, wherein communicating the pollution information message onto the intermediary communication system further comprises converting the pollution information message into a suitable digital signal, and wherein the intermediary communication system is a portion of a digital communication system.

29. (previously presented) The method of claim 26, wherein communicating the pollution information message onto the intermediary communication system further comprises converting the pollution information message into a suitable telephone signal, and wherein the intermediary communication system is a portion of a public switched telephone network.

30. (previously presented) The method of claim 26, wherein communicating the pollution information message onto the intermediary communication system further comprises converting the pollution information message into a suitable Internet signal, and wherein the intermediary communication system is a portion of at least an Internet, a digital communication system and a public switched telephone network.

31. (original) The method of claim 26, wherein the intermediary communication system further comprises a combination of portions of at least an Internet and a public switched telephone network.

32. (original) The method of claim 26, wherein the intermediary communication system further comprises a combination of portions of at least an Internet and a digital communication system.

33. (original) The method of claim 26, wherein the intermediary communication system further comprises a combination of portions of at least a digital communication system and a public switched telephone network.

34. (previously presented) The method of claim 25, further comprising receiving a signal

from a detector configured to detect pollution such that generating the pollution information message is made in response to receiving the signal from the detector.

35. (previously presented) The method of claim 25, further comprising receiving a signal from a mobile detector configured to detect pollution such that generating the pollution information message and such that a location of the mobile detector is approximated by location information associated with the identification code of the transceiver.

36. (currently amended) A method for communicating pollution information messages, the method comprising:

receiving a pollution information message broadcasted from a transceiver, the pollution information message having at least an identification code uniquely assigned to the transceiver, and at least one of pollution detector type, detected pollution levels, and pollution detector operational status[[]] ;

**converting the broadcasted pollution information message into a standardized RS 232 or RS 485 signal for communication over a hardwire connection;**

the pollution information message being transmitted by a series of transceivers, wherein at least two transceivers in the series of transceivers are associated with a pollution detector;

defining a communication path to transmit the pollution information originating from the transceiver within the series of transceivers;

determining information relevant to the received pollution information message by associating the information with the identification code of the transceiver; and

communicating the pollution information message and the relevant information such that a person is made aware of the received pollution information message.

37. (previously presented) The method of claim 36, wherein determining information further includes determining a location of the transceiver by associating an address residing in a database with the identification code of the transceiver.

38. (previously presented) The method of claim 36, wherein determining information further includes determining information regarding the nature of the pollution information by

associating information residing in a database with the identification code of the transceiver.

39. (previously presented) The method of claim 36, wherein determining information further includes determining a person to be contacted by associating information in a database regarding the person with the identification code of the transceiver.

40. (previously presented) The method of claim 36, wherein determining information further includes the step of determining a nature of a pollution discharge by associating information residing in a database regarding a detector configured to detect pollution coupled to the transceiver with the identification code of the transceiver.

41. (previously presented) The method of claim 36, further comprising:  
receiving a second pollution information message from a second transceiver; and  
determining information relevant to the received second pollution information message by associating the information with the identification code of the second transceiver.

42. (previously presented) The method of claim 36, further comprising communicating the second pollution information message and the relevant information such that a person is made aware of the received second pollution information message.

43. (currently amended) A system for communicating pollution information messages, comprising:  
means for generating a pollution information message with a transceiver, the pollution information message having at least an identification code uniquely assigned to the transceiver;  
the pollution information message further comprising information indicative of the pollution detector including at least one of pollution detector type, detected pollution levels, and pollution detector operational status;  
means for communicating the pollution information message from the transceiver to a network transceiver such that the pollution information message is communicated over ~~an intermediary communication system~~ a public switched telephone network to a pollution monitoring management controller, the pollution monitoring management controller comprising



logic to determine a communication path for the pollution information message to communicate the pollution information message between the transceiver and the network transceiver.

44. (original) The system of claim 43, further comprising means for communicating the pollution information message onto the intermediary communication system.

45. (original) The system of claim 44, further comprising means for converting the pollution information message into a suitable Internet signal, and wherein the intermediary communication system is a portion of an Internet.

46. (original) The system of claim 44, further comprising means for converting the pollution information message into a suitable digital signal, and wherein the intermediary communication system is a portion of a digital communication system.

47. (original) The system of claim 44, further comprising means for converting the pollution information message into a suitable telephone signal, and wherein the intermediary communication system is a portion of a public switched telephone network.

48. (original) The system of claim 44, further comprising means for converting the pollution information message into a suitable Internet signal, and wherein the intermediary communication system is a portion of at least an Internet, a digital communication system and a public switched telephone network.

49. (original) The system of claim 43, further comprising means for receiving a signal from a pollution detecting device such that the means for generating the pollution information message generates the pollution information message in response to receiving the signal from the pollution detecting device.

50. (currently amended) A system for communicating pollution information messages, comprising:

means for receiving a pollution information message broadcasted from a series of

transceivers; the pollution information message having at least an identification code uniquely assigned to the transceiver, pollution detector type, detected pollution levels, and pollution detector operational status;

**means for converting the broadcasted pollution information message into a standardized RS 232 or RS 485 signal for communication over a hardwire connection;**

means for determining information relevant to the received pollution information message by associating the information with the identification code of the transceiver;

means for communicating the pollution information message and the relevant information such that a person is made aware of the received pollution information message; and

a controller comprising logic to determine a communication path for the pollution information message to communicate the pollution information message within the series of transceivers.

51. (original) The system of claim 50, wherein the means for determining information further includes means for determining a location of the pollution information message transceiver by associating an address residing in a database with the identification code of the transceiver.

52. (original) The system of claim 50, wherein the means for determining information further includes means for determining a nature of a pollution discharge by associating information residing in a database regarding a pollution detecting device coupled to the transceiver with the identification code of the transceiver.

53. (previously presented) A computer readable medium having a program for communicating pollution information messages, the program comprising logic configured to perform the steps of:

analyzing a pollution information message broadcasted from a series of transceivers, the pollution information message having at least an identification code uniquely assigned to the transceiver, pollution detector type, detected pollution levels, and pollution detector operational status;

determining information relevant to the received pollution information message by associating the information with the identification code of the transceiver;

generating a second pollution information message having the pollution information message and the relevant information such that a person is made aware of the received pollution information message; and  
determining a communication path to transmit the pollution information message within the series of transceivers.